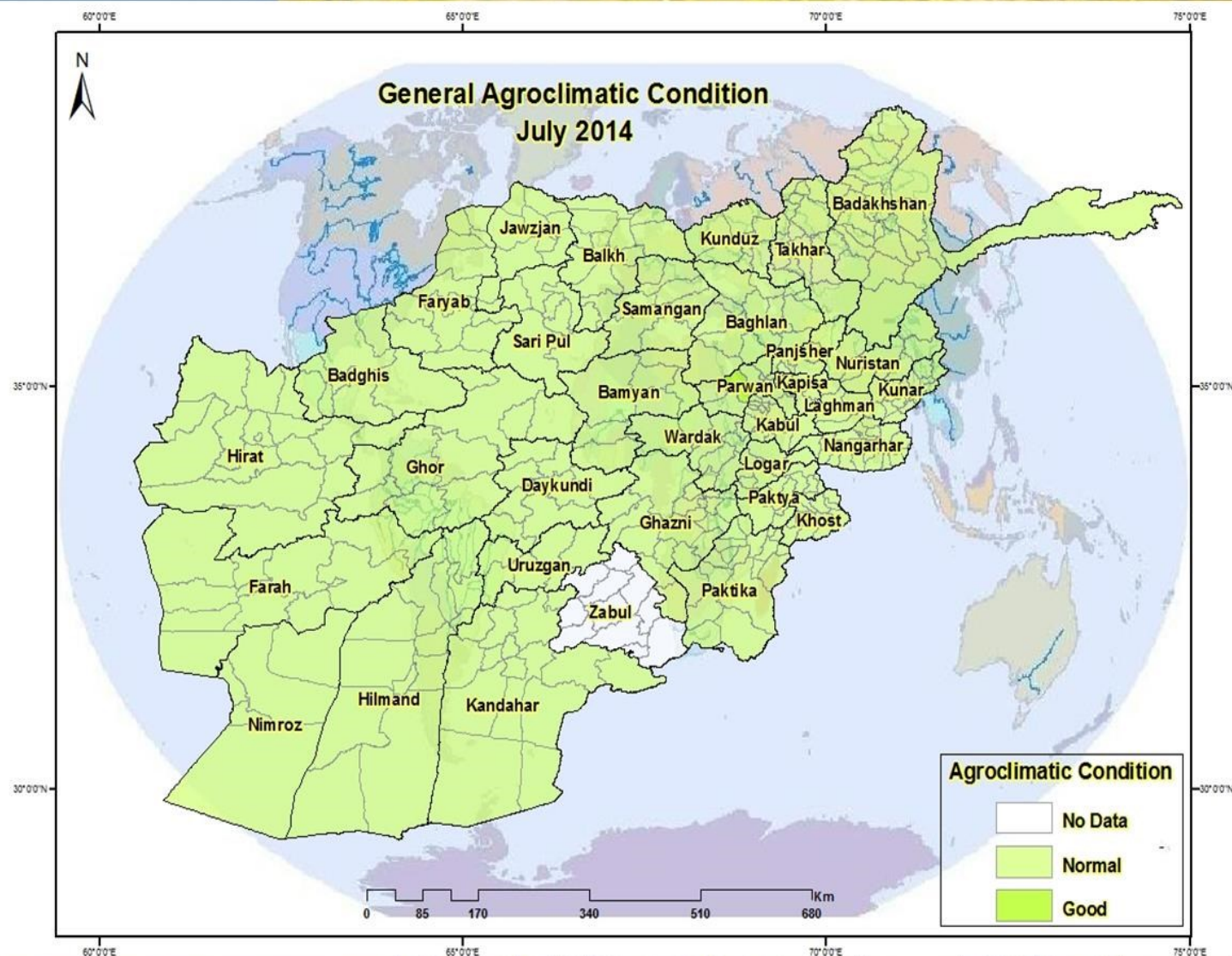




Issue No: 113  
July: 2014

# The fghanistan grometeorological AAMonthly Bulletin

Topics Crop Information Precipitation Temperature NDVI



Adverse Factor

1

Crop Condition

2

Crop Stage

3



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Issue No: 113  
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The Afghanistan's Agromet  
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### Data Source:

Ministry of Agriculture , Irrigation and Livestock (MAIL), GIS and  
Agromet Netwrokd and United States Geological Survey (USGS).



## Summary

However Pest & disease has been reported in a few areas such as Dawlat Yar district of Ghor province, weeds has been reported in a few areas such as Panjab district of Bamyar province and poor rainfall has been reported in a few areas such as Do Ab district of Nuristan province and Ishkashim district of Badakhshan province, growth of wheat is somehow satisfactory in the entire country. Wheat is at flowering stage in a few parts of the country such as Nuristan province. Wheat is at grain filling stage in few parts of the country such as Takhar and Badakhshan Provinces.

Wheat is at Maturity stage in some parts of the country such as Ghor, Panjshir and Parwan Provinces. Wheat is at harvesting stage in most parts of the country Such as Wardak, Logar, Kunduz and Paktia Provinces. During the month of July 2014, below normal rainfall was reported in entire country such as in Bamyar, Khost, Kunudz and Takhar provinces. Number of rainy days recorded in the country range from 1 – 4 days. The maximum numbers of rainy days in the country were observed 4 at Asmar Center of Kunar Province.

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Paghman	Paghman	Harvesting		
		Kabul	Darulaman			
		Surubi	Surubi	Harvested		
	Panjsher	Dara	Dara	Maturity	Normal	Not Existed
		Dashtak	Dashtak	Harvesting		
	Parwan	Syagerd	Ghorband	Maturity	Good	Not Existed
		Charikar	Charikar	Harvested		
	Kapisa	Mahmoodraqi	Mahmoodraqi			
		Kohistan	Kohistan	Harvesting		
	Wardak	Maidan shehr	Maidan shehr			
		Sayed Abad	Sayed Abad			
	Logar	Pole Alam	Pole Alam			
	Bamyar	Bamyar	Bamyar	Maturity	Normal	Not Existed
		Yakawlang	Yakawlang	Maturity	Normal	Not Existed
		Panjab	Panjab	Grain Filling	Normal	Weeds
		Kohmard	Kohmard	Harvesting		
	Ghazni	Muqor	Muqor			
	Day Kundi	Nili	Nili			
		Khideer	Khideer			
East	Nangarhar	Agam	Agam	Harvested		
		Batikot	Ghaziabad			
		Jalalabad	Farm Jaded			

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
East	Kunar	Asmar	Asmar	Harvested		
		Asad Abad	Asad Abad			
		Chawkay	Chawkay			
	Laghman	Mihtarlam	Mihtarlam			
		Qarghay	Qarghay			
		Alengar	Alengar			
	Noristan	Paroon	Paroon	Flowering	Normal	Not Existed
		Do Ab	Do Ab	Flowering	Normal	Poor Rainfall
		Norgaram	Norgaram	Harvested		
		Waigal	Waigal			
		Wama	Wama	Flowering	Normal	Not Existed
North East	Takhar	Taluqan	Taluqan	Grain Filling	Normal	Not Existed
		Rostaq	Rostaq	Harvested		
	Kunduz	Chardara	Chardara			
		Qaliazal	Aqtipa			
		Imam Saheb	Imam Saheb			
		Khan Abad	Khan Abad			
		Kunduz	Kunduz			
		Archi	Archi			
		Ali Abad	Ali Abad			
	Baghlan	Pulikhomri	Pozaishan			
		Dushi	Dushi			
	Badakhshan	Ashkashim	Ashkashim	Grain Filling	Normal	Poor Rainfall
		Baharak	Baharak	Maturity	Normal	Not Existed
		Urgo	Urgo	Harvesting		
		Faiz Abad	Faiz Abad			
South East	Khost	Khost	Khost	Harvested		
		Khost	Shimal			
		Ali Sher	Ali Sher			
	Paktia	Zormat	Rohani Baba	Harvesting		
		Gardiz	Tera			
	Paktika	Urgon	Urgon			
		Sharana	Sharana			
		Khair kot	Khair Kot			

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
South	Nimroz	Zaranj	Zaranj	Harvested		
	Kandahar	Kandahar	Kandahar			
		Kohkaran	Kohkaran			
	Urozgan	Tirin Kot	Tirin Kot			
	Hilmand	Nad Ali	Nad Ali			
		Greshk	Greshk			
		Nawa	Nawa			
		Lashkargah	Bolan			
North	Balkh	Takhta pol	Dihdadi	Harvesting		
		Mazar shareef	Mazare shareef			
		Nahrishahi	Nahrishahi			
		Dawlat Abad	Dawlat Abad			
	Jawzjan	Sheberghan	Sheberghan			
		Aqcha	Aqcha			
		Darzab	Darzab			
	Saripul	Sozmaqala	Sozmaqala			
		Sancharak	Sancharak			
	Faryab	Andkhoy	Andkhoy			
		Garzewan	Garzewan			
	Samangan	Dara Souf	Dara Souf			
		Aibak	Aibak			
North West	Badghis	Maqur	Maqur	Harvesting		
		Qalainow	Qalainow			
	Ghor	Chaghcharan	Chaghcharan	Maturity	Normal	Not Existed
		Dawlat yar	Dawlat yar	Grain Filling	Normal	Pest and Disease
	Hirat	Shindand	Shindand	Harvested		
		Zindajan	Zindajan			
		Gwazara	Falahat			
		Hirat	Farm Urdokhan			
	Farah	Farah	Farah			

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Maize		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Emergence	Normal	Weeds
	Panjsher	Dashtak	Dashtak	Emergence	Normal	Not Existed
	Parwan	Syagerd	Gorband	Planting		
	Kapisa	Mahmoodraqi	Mahmoodraqi			
		Kohistan	Kohistan	Emergence	Normal	Not Existed
	Logar	Pole Alam	Pole Alam	Emergence	Normal	Not Existed
	Ghazni	Muqor	Muqor	Emergence	Normal	Not Existed
East	Nangarhar	Agam	Agam	Vegetative	Normal	Not Existed
		Batikot	Ghaziabad	Vegetative	Normal	Not Existed
	Kunar	Asmar	Asmar	Emergence	Normal	Not Existed
		Asad Abad	Asad Abad	Emergence	Normal	Not Existed
	Laghman	Mehtarlam	Mehtarlam	Emergence	Normal	Shortage of Inputs
		Qarghay	Qarghay	Vegetative	Normal	Not Existed
		Alengar	Alengar	Emergence	Normal	Not Existed
	Noristan	Paroon	Paroon	Emergence	Normal	Not Existed
North East	Kunduz	Imam Sahib	Imam Sahib	Flowering	Normal	Not Existed
		Kunduz	Kunduz	Vegetative	Normal	Not Existed
		Qaliazal	Aqtipa	Emergence	Normal	Not Existed
		Archi	Archi	Pre Planting		
		Ali Abad	Ali Abad	Vegetative	Normal	Not Existed
	Badakhshan	Faizabad	Faizabad	Planting		
	Baghlan	Pulikhomri	Pozaishan	Emergence	Normal	Not Existed
South East	Khost	Khost	Khost	Emergence	Normal	Not Existed
		Khost	Shimal	Emergence	Normal	Not Existed
		Ali Sher	Ali Sher	Emergence	Normal	Not Existed
	Paktia	Zormat	Rohani Baba	Vegetative	Normal	Not Existed
		Gardiz	Tera	Emergence	Normal	Not Existed
	Paktika	Sharan	Sharan	Planting		
		Urgon	Urgon			
		Khair kot	Khair kot			
	Kandahar	Kandahar	Kandahar			
		Tirin Kot	Tirin Kot			
South	Hilmand	Nad Ali	Nad Ali	Vegetative	Normal	Not Existed
		Greshk	Greshk	Vegetative	Normal	Not Existed
		Nawa	Nawa	Vegetative	Normal	Not Existed
		Lashkargah	Bolan	Vegetative	Normal	Not Existed
	Faryab	Garzewan	Garzewan	Emergence	Normal	Not Existed
North	Balkh	Takhta pol	Dihdadi	Planting		
		Mazar shareef	Mazare shareef			
North West	Hirat	Shindand	Shindand	Emergence	Normal	Not Existed
	Farah	Farah	Farah	Emergence	Normal	Not Existed

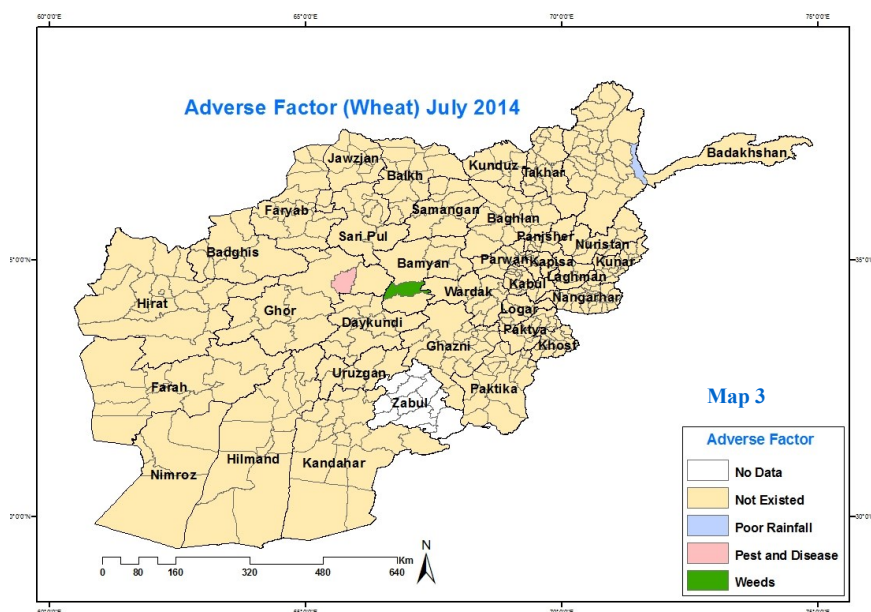
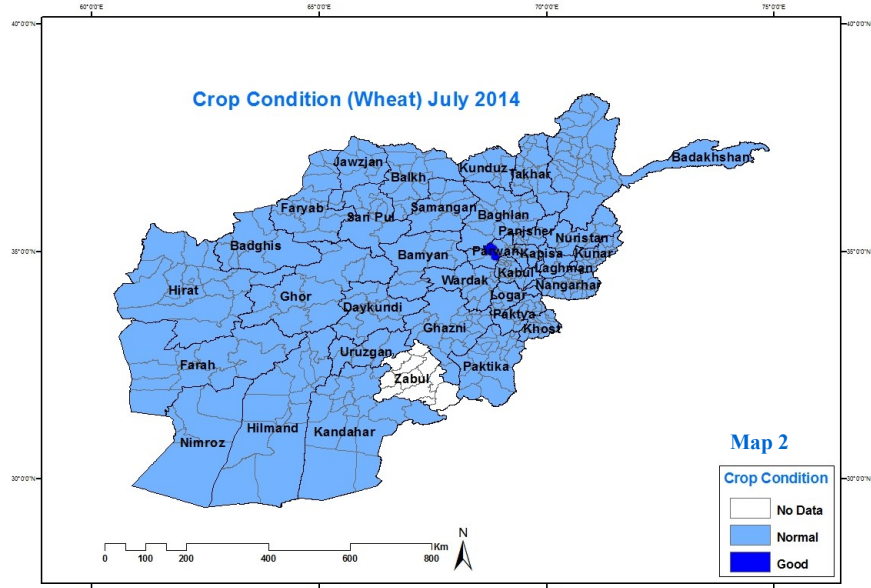
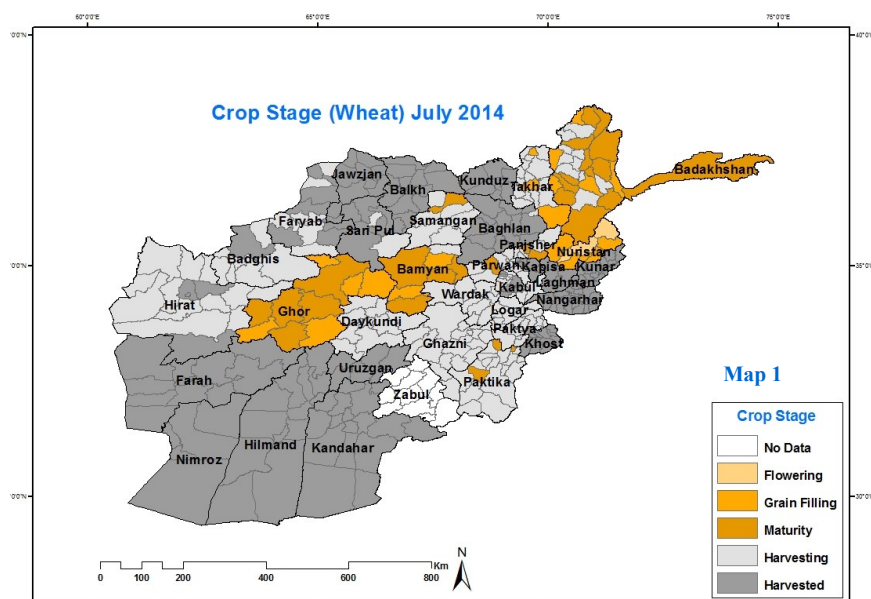
Data Source: Agromet Network

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Rice		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Emergence	Normal	Weeds
East	Nangarhar	Agam	Agam	Vegetative	Normal	Not Existed
		Batikot	Ghaziabad	Vegetative	Normal	Not Existed
	Kunar	Asmar	Asmar	Emergence	Normal	Not Existed
		Asadabad	Asadabad	Emergence	Normal	Not Existed
	Laghman	Mihtarlam	Mihtarlam	Emergence	Normal	Shortage of Inputs
		Qarghay	Qarghay	Vegetative	Normal	Not Existed
North East	Kunduz	Imam Sahib	Imam Sahib	Vegetative	Normal	Not Existed
		Qaliazal	Aqtipa	Emergence	Normal	Not Existed
		Khan Abad	Khan Abad	Emergence	Normal	Not Existed
		Archi	Archi	Emergence	Normal	Not Existed
		Ali Abad	Ali Abad	Vegetative	Normal	Not Existed
		Kunduz	Kunduz	Vegetative	Normal	Not Existed
	Baghlan	Pulikhomri	Pozaishan	Emergence	Normal	Not Existed
		Doshy	Doshy	Vegetative	Normal	Not Existed
South East	Khost	Khost	Khost	Emergence	Normal	Not Existed
		Khost	Shimal	Emergence	Normal	Not Existed
		Ali Sher	Ali Sher	Emergence	Normal	Not Existed
	Paktia	Zormat	Rohani Baba	Vegetative	Normal	Not Existed
South	Urozgan	Tirin Kot	Tirin Kot	Vegetative	Normal	Not Existed

Data Source: Agromet Network

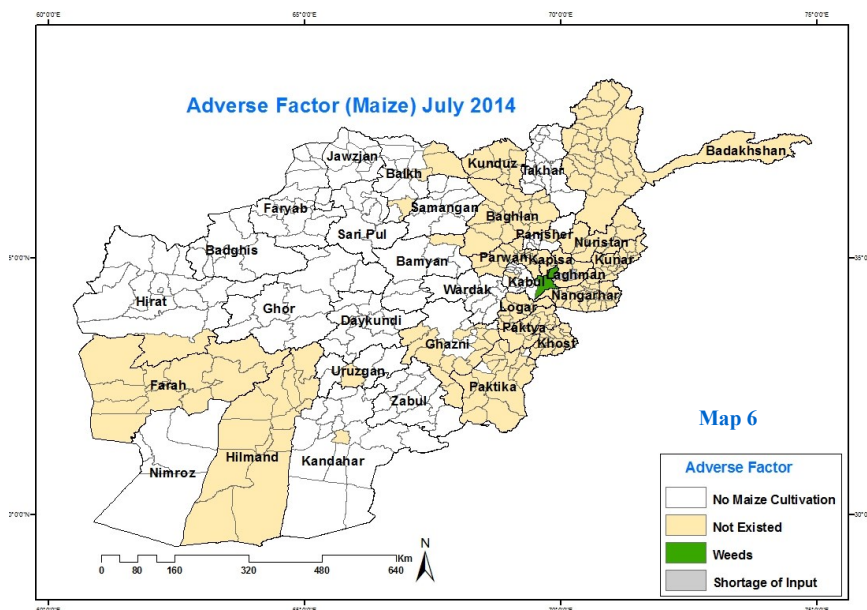
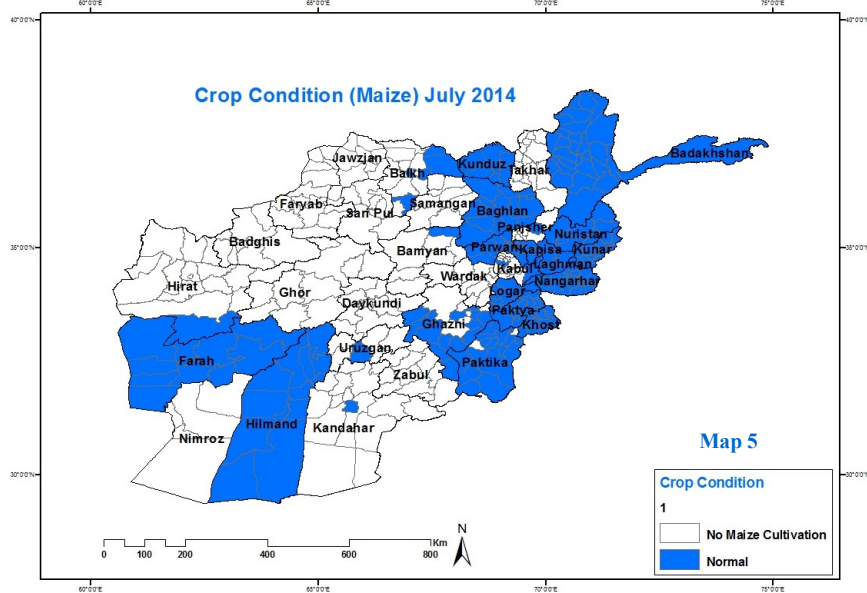
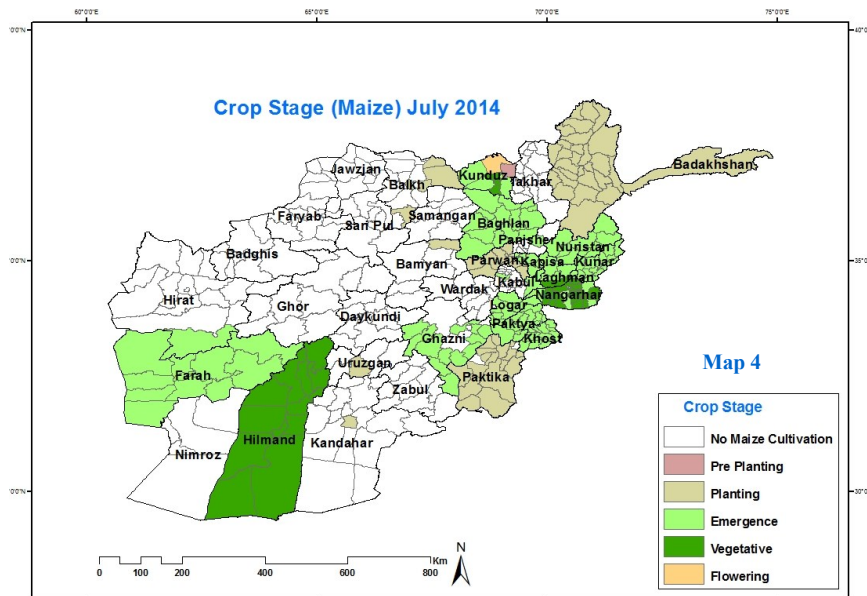
# Wheat Crop Stage, Condition and Adverse Factor Maps



Data Source: Agromet Network

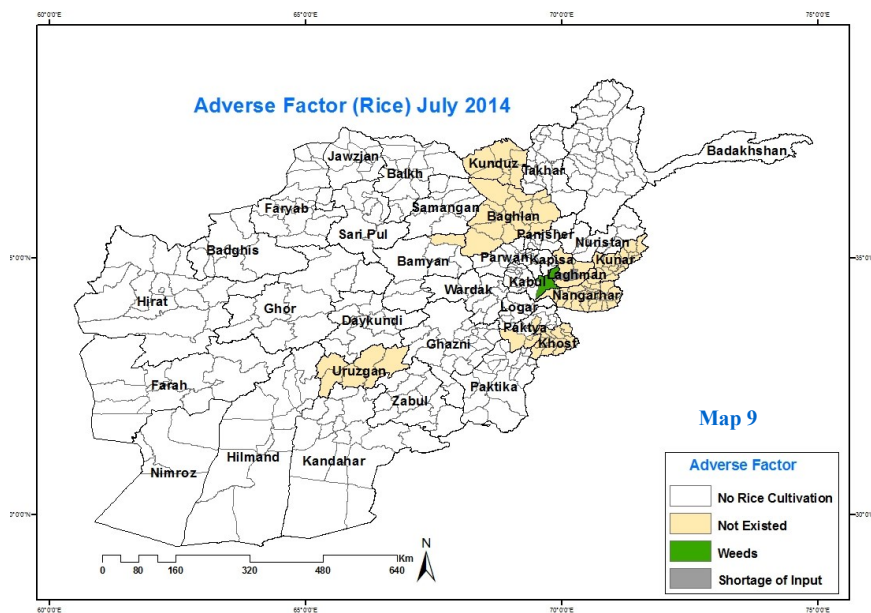
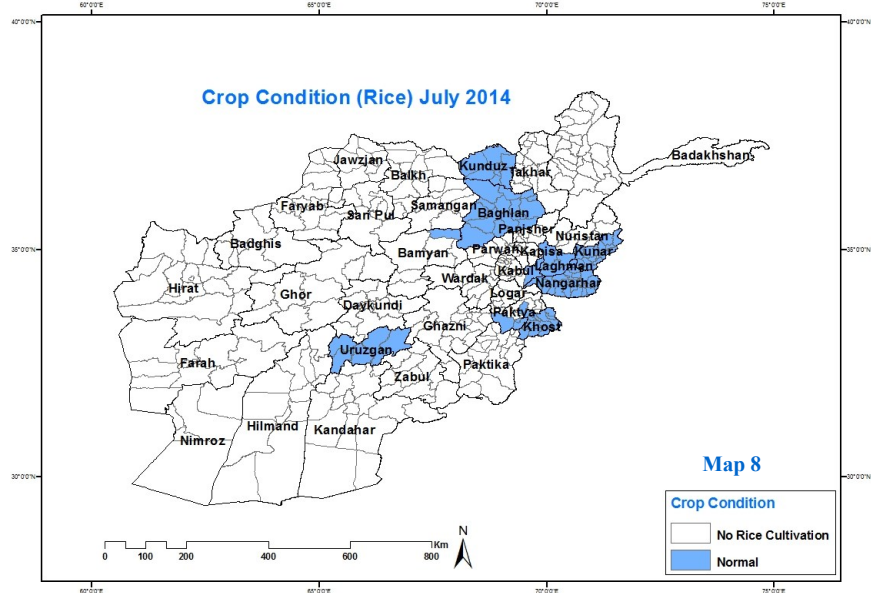
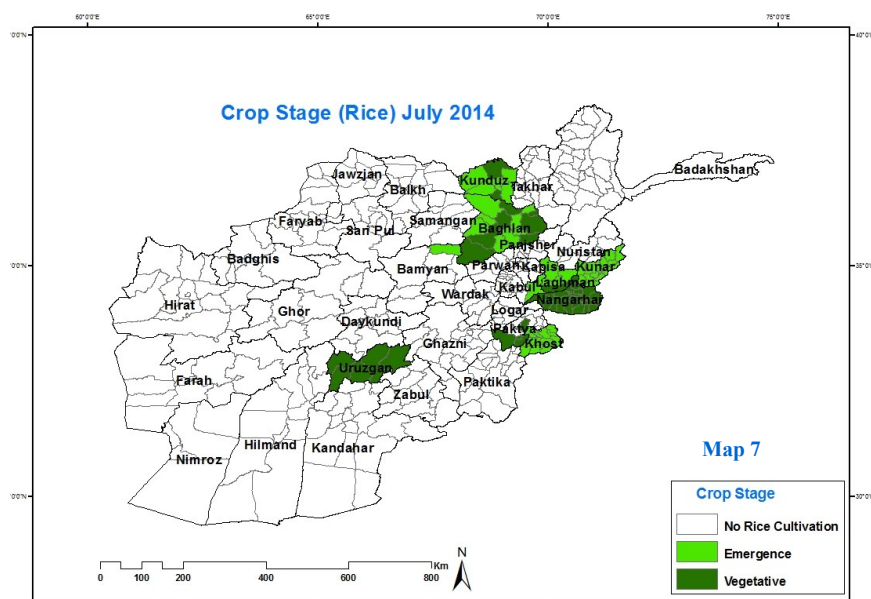


# Maize Crop Stage, Condition and Adverse Factor Maps



Data Source: Agromet Network

## Rice Crop Stage, Condition and Adverse Factor Maps



Data Source: Agromet Network

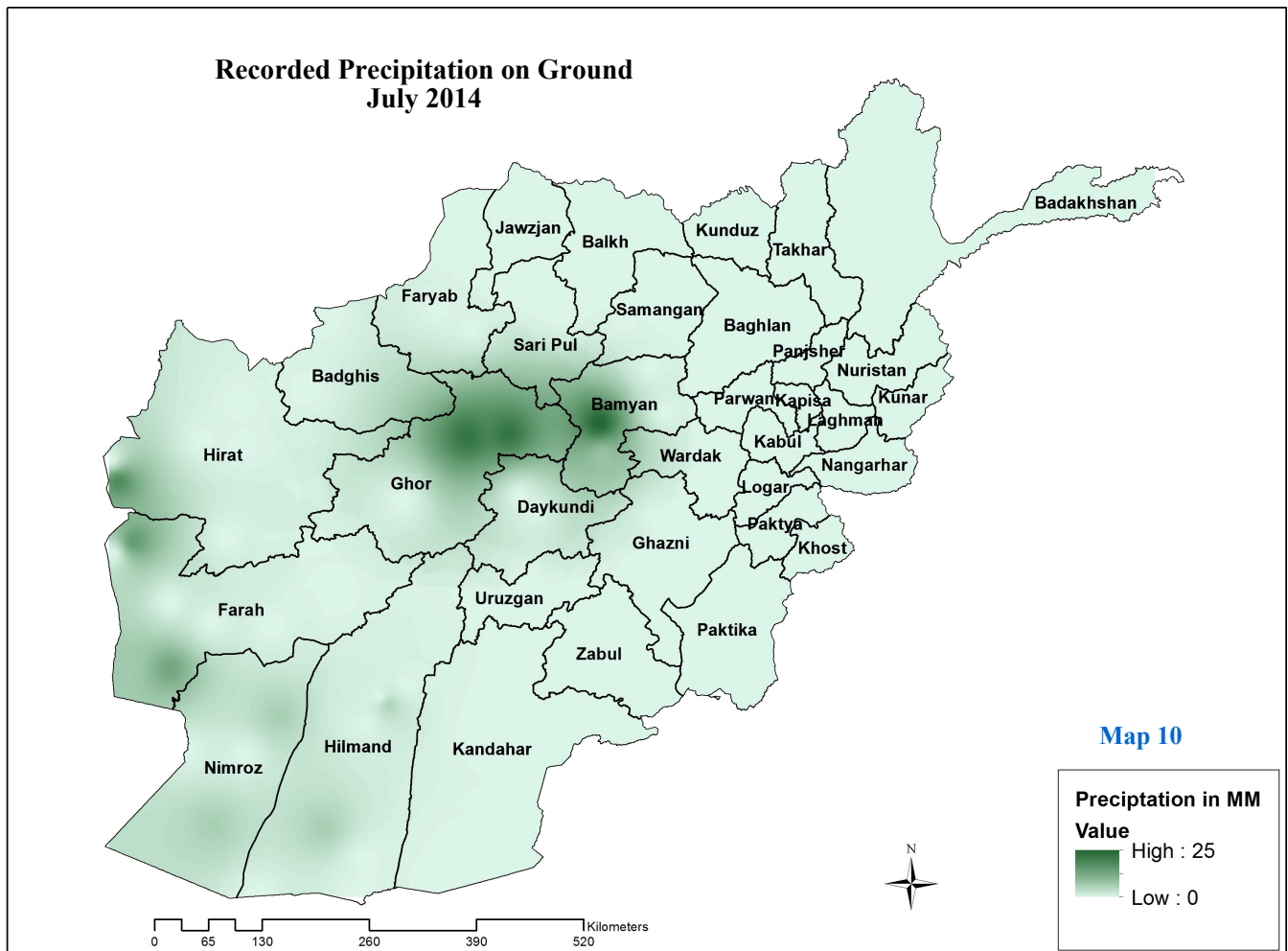
## Precipitation

Comparison of monthly rainfall data for the month of July 2014, in contrast to the same month of July 2013, shows significant decrease of rainfall in most areas of the country aside a few areas in central parts of the country during the month of July 2014, compare to the same month of last year.

Comparison of monthly rainfall data for the month of July 2014, in contrast to the same month of Long Term Average shows significant decrease of rainfall in most

areas of the country aside a few areas in East and Central of the country during the month of July 2014 compare to the same month of LTA.

Poor rainfall has occurred during the month of July 2014, as Map (10) Shows the distribution of rainfall during the month of July 2014, in the entire country as the highest rainfall has occurred in Surobi district of Kabul province which was 25 mm.



## Precipitation

Poor rainfall has occurred during the month of July 2014, as table 1 shows, during the month of July 2014 in central part to the country Bamyan has received 0 mm, Logar 0 mm, Paghman 8 mm, Sarobi 25 mm, Nili 0 mm, Dashtak 0 mm, Mahmood Raqi 0 mm and Moqur 0 mm of precipitation. The highest precipitation has been recorded in Sarubi district of Kabul province which is 25 mm. In Eastern region Asmar has received 22 mm, Ghazi Abad 0 mm, Mehtarlam 0 mm, and Paroon 0 mm. In Northern region Aibak has received 0 mm, Dara-e-Soof 0 mm, Jawzan 0 mm, Mazar 0 mm, and Sari Pul 0 mm. In North Eastern region Baghlan has received 0 mm, Faizabad 0 mm, Taluqan 0 mm, and Kunduz 0 mm.

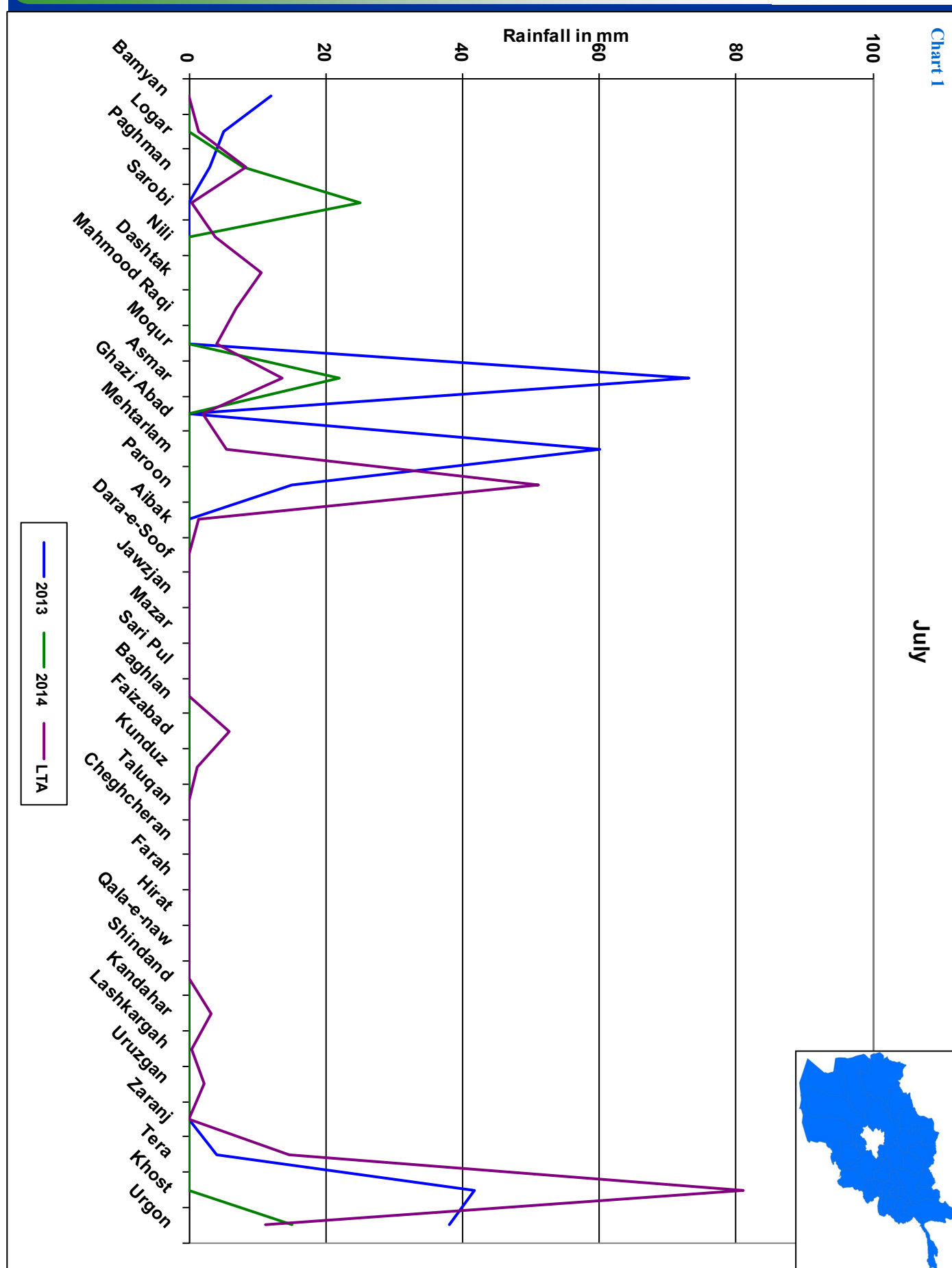
In Southern region Kandahar has received 0 mm, Lashkargah 0 mm, Uruzgan 0 mm, and Zaranj 0 mm. In South Eastern region Tera has received 0 mm, Khost 0 mm, and Urgon 15 mm. In western region Cheghcheran has received 0mm, Farah 0 mm, Hirat 0 mm, Qala-e-Naw 0 mm and Shindand 0. In conclusion we can say that, rainfall has two extremes the high extreme has occurred in Sarubi district of Kabul province which is 25 mm during the month of July 2014, and the lowest extreme has occurred in Paghman district of Kabul province which is 8 mm during the month of July 2014. For more information regarding the precipitation for the month of July 2014 please, refer to the below table.

Station Name	July			Deviation	Comparison	Prediction Table 3
	2013	2014	LTA			
Bamyan	12	0	0.1	-0.1	Below Normal	Dryness
Nili	0	0	3.9	-3.9	Below Normal	Dryness
Dashtak	0	0	10.6	-10.6	Below Normal	Dryness
Logar	5	0	1.5	-1.5	Below Normal	Dryness
Paghman	3	8	8.3	-0.3	Below Normal	Dryness
Sarobi	0	25	0.5	24.5	Above Normal	No Dryness
Mahmood Raqi	0	0	7	-7	Below Normal	Dryness
Rainfall were decreased in 2014 with respect to Long Term Average (LTA) exclude Sarobi						
Asmar	73	22	13.7	8.3	Above Normal	No Dryness
Ghazi Abad	0	0	2	-2	Below Normal	Dryness
Mehterlam	60	0	5.4	-5.4	Below Normal	Dryness
Paroon	15	0	51.1	-51.1	Below Normal	Dryness
Baghlan	0	0	0	0	Below Normal	Dryness
Faizabad	0	0	6	-6	Below Normal	Dryness
Kunduz	0	0	1.3	-1.3	Below Normal	Dryness
Rainfall were decreased in 2014 with respect to Long Term Average (LTA) exclude Asmar						
Taluqan	0	0	0.1	-0.1	Below Normal	Dryness
Aibak	0	0	1.5	-1.5	Below Normal	Dryness
Dara-e-soof	0	0	0	0	No Change	No Change
Jawzjan	0	0	0	0	No Change	No Change
Mazar	0	0	0	0	No Change	No Change
Sari pul	0	0	0	0	No Change	No Change
Kandahar	0	0	3.2	-3.2	Below Normal	Dryness
Lashkargah	0	0	0.4	-0.4	Below Normal	Dryness
Uruzgan	0	0	2.2	-2.2	Below Normal	Dryness
Rainfall were decreased in 2014 with respect to (LTA)						
Zaranj	0	0	0	0	No Change	No Change
Tera	4	0	14.6	-14.6	Below Normal	Dryness
Khost	41.8	0	81	-81	Below Normal	Dryness
Moqur	0	0	4.1	-4.1	Below Normal	Dryness
Urgon	38	15	11.1	3.9	Above Normal	No Dryness
Farah	0	0	0	0	No Change	No Change
Hirat	0	0	0	0	No Change	No Change
Qala-e-naw	0	0	0	0	No Change	No Change
Shindand	0	0	0	0	No Change	No Change
Rainfall were decreased in 2014 with respect to Long Term Average (LTA)						

Data Source: Agromet Network



## Rainfall Graphs for the Month of July 2014



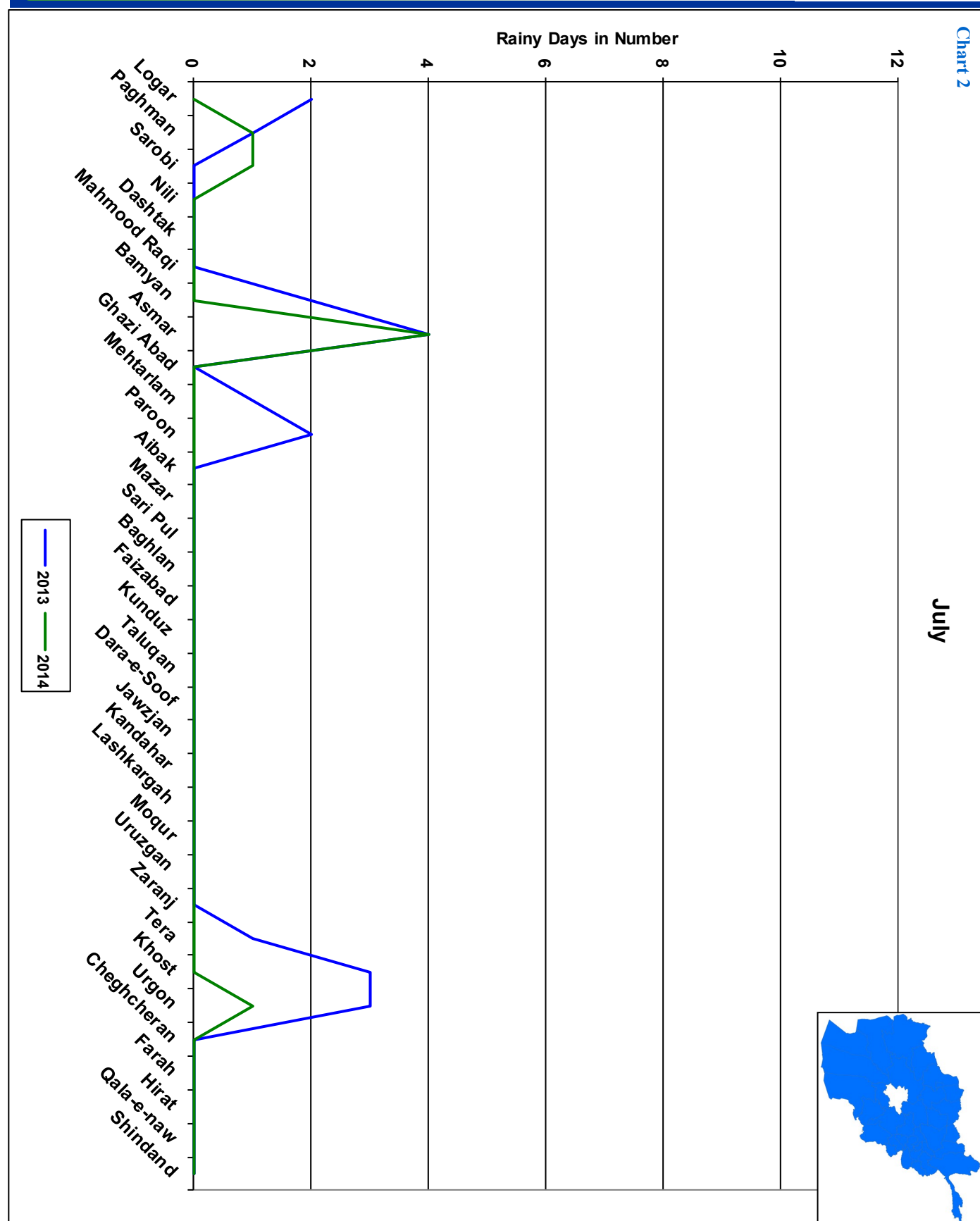
## Rainy Days

Based on the bellow table, Sarubi with having the higher number of rainy days during the month of July 2014, compared to the same month in 2013. The areas such as, Logar, Bamyan, Mehtarlam, Paroon, Tera, Khost and Urgan are the areas with the least number of rainy days in July 2014, in comparison to the same month of 2013. The areas such as Paghman, Nili, Dashtak,

Mahmood Raqi, Asmar, Ghazi Abad, Aibak, Mazar, Sari Pul, Baghlan, Faizabad, Kunduz, Taluqan, Dara-e-Soof, Jawzjan, Kandahar, Lashkargah, Moqur, Uruzgan, Zaranj, Cheghcheran, Farah, Hirat, Qala-e-Now and Shindand are the areas that had equal rainy days in comparison to the same month of last year.

No	Station Name	July		Table 2 Comparison Prediction with respect to (2013)
		Rainy Days		
		2013	2014	
1	Dashtak	0	0	No Change
2	Logar	2	0	Dryness
3	Paghman	1	1	No Change
4	Sarobi	0	1	No Dryness
5	Bamyan	2	0	Dryness
6	Mahmood Raqi	0	0	No Change
7	Nili	0	0	No Change
8	Ghaziabad	0	0	No Change
9	Asmar	4	4	No Change
10	Mehterlam	1	0	Dryness
11	Paroon	2	0	Dryness
12	Aibak	0	0	No Change
13	Mazar	0	0	No Change
14	Saripul	0	0	No Change
15	Baghlan	0	0	No Change
16	Faizabad	0	0	No Change
17	Kunduz	0	0	No Change
18	Taluqan	0	0	No Change
19	Dara-e-soof	0	0	No Change
20	Jawzjan	0	0	No Change
21	Kandahar	0	0	No Change
22	Lashkargah	0	0	No Change
23	Moqur	0	0	No Change
24	Uruzgan	0	0	No Change
25	Zaranj	0	0	No Change
26	Tera	1	0	Dryness
27	Khost	3	0	Dryness
28	Urgon	3	1	Dryness
30	Farah	0	0	No Change
31	Hirat	0	0	No Change
32	Qala-e-naw	0	0	No Change
33	Shindand	0	0	No Change

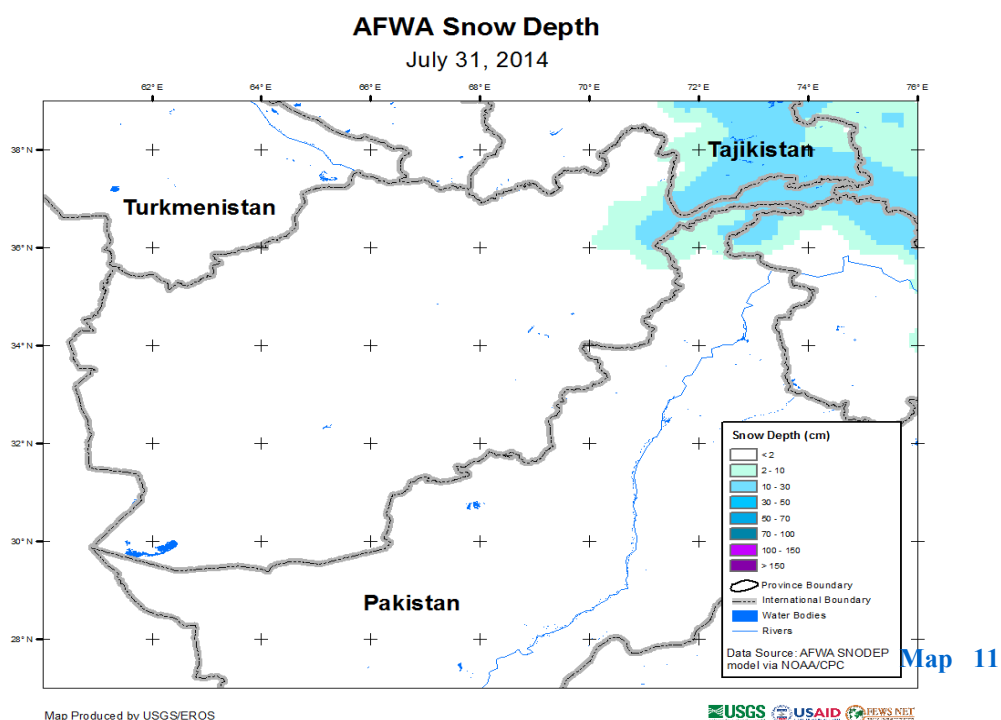
## Rainy Days for the Month of July 2014



Comparison of rainy days for the month of July 2014, with the same month of last year (Chart 2) shows significant decrease

of rainy days during the month of July 2014 compared to the same month of last year, aside from a few areas of Central.

## Afghanistan Snow Depth for month of July 2014



Map (11) shows snow depth for the end of July 2014. As map from 10 to 20 cm in some parts of the North East. (9) shows the snow depth has been recorded

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Data Source:USGS